GenCore version 5.1.3

OM nucleic - nucleic search, using sw model

Run on: December 6, 2002, 23:36:56 ; Search time 52 Seconds
(without alignments)
11435.527 Million cell updates/sec

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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 350425 seqs, 194966369 residues

Total number of hits satisfying chosen parameters: 700850

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	437	28.7	1345	10	US-09-782-378A-13	Sequence 13, Appl
2	429	28.1	1352	10	US-09-964-824A-545	Sequence 545, App
3	429	28.1	1371	10	US-09-964-824A-544	Sequence 544, App
4	407	26.7	1390	10	US-09-765-231A-19	Sequence 19, Appl
5	222.8	14.6	594	10	US-09-964-824A-582	Sequence 582, App
6	222.8	14.6	594	10	US-09-954-456-1989	Sequence 1989, Ap
7	222.8	14.6	594	10	US-09-865-812-1	Sequence 1, Appli
8	219.8	14.4	1422	10	US-09-880-107-2090	Sequence 2090, Ap
9	213.4	14.0	1714	10	US-09-917-800A-1421	Sequence 1421, Ap
10	193	12.7	1872	10	US-09-880-107-2257	Sequence 2257, Ap
11	190.8	12.5	1245	10	US-09-755-665-13	Sequence 13, Appl
12	182.6	12.0	2051	10	US-09-917-800A-1325	Sequence 1325, Ap
13	161	10.6	391	10	US-09-960-352-12287	Sequence 12287, A
14	146.4	9.6	430	10	US-09-960-352-10531	Sequence 10531, A
15	135.8	8.9	444	10	US-09-960-352-14649	Sequence 14649, A
16	135.6	8.9	418	10	US-09-960-352-7066	Sequence 7066, Ap
17	134.2	8.8	1710	9	US-09-912-628-2	Sequence 2, Appli
18	126.2	8.3	1632	9	US-09-912-628-3	Sequence 3, Appli
19	125.4	8.2	430	10	US-09-960-352-5191	Sequence 5191, Ap
20	124.2	8.1	388	10	US-09-960-352-7567	Sequence 7567, Ap
21	123.2	8.1	439	10	US-09-960-352-10330	Sequence 10330, A
22	123	8.1	2089	9	US-09-992-598-409	Sequence 409, App
23	123	8.1	2089	9	US-09-989-293A-409	Sequence 409, App
24	123	8.1	2089	10	US-09-989-722-409	Sequence 409, App
25	123	8.1	2089	10	US-09-989-723-409	Sequence 409, App
26	123	8.1	2089	10	US-09-989-279-409	Sequence 409, App
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28	123	8.1	2089	10	US-09-989-731-409	Sequence 409, App
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32	123	8.1	2089	10	US-09-991-163-409	Sequence 409, App
33	123	8.1	2089	10	US-09-993-604-409	Sequence 409, App
34	123	8.1	2089	10	US-09-990-456-409	Sequence 409, App
35	123	8.1	2089	10	US-09-989-721-409	Sequence 409, App
36	121.8	8.0	1585	10	US-09-765-231A-18	Sequence 18, Appl
37	120	7.9	421	10	US-09-960-352-1559	Sequence 1559, Ap
38	118.4	7.8	433	10	US-09-960-352-13206	Sequence 13206, A
39	118.2	7.8	541	10	US-09-864-761-17682	Sequence 17682, A
40	116.4	7.6	445	10	US-09-960-352-5918	Sequence 5918, Ap
41	115.8	7.6	412	10	US-09-960-352-1792	Sequence 1792, Ap
42	114.8	7.5	398	10	US-09-960-352-3413	Sequence 3413, Ap
43	113.4	7.4	418	10	US-09-960-352-2321	Sequence 2321, Ap
44	113	7.4	395	10	US-09-960-352-12468	Sequence 12468, A
45	113	7.4	403	10	US-09-960-352-11740	Sequence 11740, A

ALIGNMENTS

RESULT 1
US-09-782-378A-13
; Sequence 13, Application US/09782378A
; Patent No. US20020102731A1
; GENERAL INFORMATION:
; APPLICANT: Hearing, Patrick
; APPLICANT: Bahou, Wadie
; APPLICANT: Sandalon, Ziv
; APPLICANT: Gnatenko, Dmitri
; TITLE OF INVENTION: Adenoviral Vectors
; FILE REFERENCE: STONYB-04970
; CURRENT APPLICATION NUMBER: US/09/782,378A
; CURRENT FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/237,747
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 13
; LENGTH: 1345
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-782-378A-13

Query Match 28.7%; Score 437; DB 10; Length 1345;
Best Local Similarity 60.6%; Pred. No. 6e-101;
Matches 716; Conservative 0; Mismatches 465; Indels 0; Gaps 0;

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Qy     132 TTAGCTCATCAAAGTAATTCTACTAACATTTTTTTTAGTCCTGTTTCTATTGCCACTGCT 191
           | || || ||    ||    || || || || ||    || ||    || || || ||
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Qy     192 TTCGCCATGTTGAGTTTAGGTACTAAAGCCGATACCCATGACGAGATTTTAGAAGGTTTA 251
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Qy    312 AGAACTTTGAATCAACCTGATTCTCAATTGCAATTAACTACTGGTAACGGTTTATTTTTG 371
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Qy    372 TCTGAAGGTTTAAAATTGGTTGACAAATTCCTAGAAGACGTCAAGAAACTATATCATAGT 431
Db    444 AGCGAGGGCCTGAAGCTAGTGGATAAGTTTTTGGAGGATGTTAAAAAGTTGTACCACTCA 503

Qy    432 GAGGCTTTTACCGTTAATTTTGGTGATACTGAGGAAGCTAAAAAGCAAATTAATGATTAT 491
Db    504 GAAGCCTTCACTGTCAACTTCGGGGATCACGAAGAGGCCAAGAAACAGATCAACGATTAC 563

Qy    492 GTTGAGAAAGGCACCCAGGGTAAGATCGTTGACCTAGTTAAAGAATTAGATCGTGATACC 551
Db    564 GTGGAGAAGGGTACTCAAGGGAAAATTGTGGATTTGGTCAAGGAGCTTGACAGAGACACA 623

Qy    552 GTCTTCGCACTAGTTAACTATATTTTTTTCAAGGGTAAGTGGGAACGTCCTTTCGAGGTT 611
Db    624 GTTTTTGCTCTGGTGAATTACATCTTCTTTAAAGGCAAATGGGAGAGACCTTTTGAAGTC 683

Qy    612 AAAGATACTGAAGAGGAAGATTTTCATGTTGATCAAGTTACTACTGTCAAAGTTCCAATG 671
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Db    924 AGAAGGTCTGCCAGCTTACATTTACCCAAACTGTCCATTACTGGAACCTATGATCTGAAG 983

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RESULT 2
US-09-964-824A-545
; Sequence 545, Application US/09964824A
; Patent No. US20020102531A1
; GENERAL INFORMATION:
;  APPLICANT: Horrigan, Stephen
;  TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
;  TITLE OF INVENTION:  Sets
;  FILE REFERENCE: 689290-73
;  CURRENT APPLICATION NUMBER: US/09/964,824A
;  CURRENT FILING DATE:  2001-09-27
;  PRIOR APPLICATION NUMBER: US/60/236,033
;  PRIOR FILING DATE: 2000-09-28
;  PRIOR APPLICATION NUMBER: US/60/236,032
;  PRIOR FILING DATE: 2000-09-28
;  PRIOR APPLICATION NUMBER: US/60/236,028
;  PRIOR FILING DATE: 2000-09-28
;  NUMBER OF SEQ ID NOS: 583
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 545
;   LENGTH: 1352
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(1352)
;   OTHER INFORMATION: n=a,t,g or c
US-09-964-824A-545

  Query Match           28.1%;  Score 429;  DB 10;  Length 1352;
  Best Local Similarity 60.2%;  Pred. No. 6.3e-99;
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Qy    252 AACTTTAATTTGACCGAAATCCCAGAAGCCCAAATTCACGAGGGTTTTCAAGAGTTGTTG 311
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Qy    372 TCTGAAGGTTTAAAATTGGTTGACAAATTCCTAGAAGACGTCAAGAAACTATATCATAGT 431
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Db   1172 CCCCCCGAGGTCAAGTTCAACAAACCCTTTGTCTTCTTAATGATTGAACAAAATACCAAG 1231

Qy   1152 AGCCCATTGTTTATGGGTAAGGTTGTCAACCCAACTCAGAA 1192
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RESULT 3
US-09-964-824A-544
; Sequence 544, Application US/09964824A
; Patent No. US20020102531A1
; GENERAL INFORMATION:
; APPLICANT: Horrigan, Stephen
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-73
; CURRENT APPLICATION NUMBER: US/09/964,824A
; CURRENT FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US/60/236,033
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US/60/236,032
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US/60/236,028
; PRIOR FILING DATE: 2000-09-28
; NUMBER OF SEQ ID NOS: 583
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 544
; LENGTH: 1371
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1371)
; OTHER INFORMATION: n=a,t,g or c
US-09-964-824A-544

Query Match 28.1%; Score 429; DB 10; Length 1371;
Best Local Similarity 60.2%; Pred. No. 6.3e-99;
Matches 711; Conservative 0; Mismatches 470; Indels 0; Gaps 0;

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Db    171 CCAACCTTCAACAAGATCACCCCCAACCTGGCTGAGTTCGCCTTCAGCCTATACCGCCAG 230

Qy    132 TTAGCTCATCAAAGTAATTCTACTAACATTTTTTTTAGTCCTGTTTCTATTGCCACTGCT 191
Db    231 CTGGCACACCAGTCCAACAGCACCAATATCTTCTTCTCCCCAGTGAGCATCGCTACAGCC 290

Qy    192 TTCGCCATGTTGAGTTTAGGTACTAAAGCCGATACCCATGACGAGATTTTAGAAGGTTTA 251
Db    291 TTTGCAATGCTCTCCCTGGGGACCAAGGCTGACACTCACGATGAAATCCTGGAGGGCCTG 350

Qy    252 AACTTTAATTTGACCGAAATCCCAGAAGCCCAAATTCACGAGGGTTTTCAAGAGTTGTTG 311
Db    351 AATTTCAACCTCACGGAGATTCCGGAGGCTCAGATCCATGAAGGCTTCCAGGAACTCCTC 410

Qy    312 AGAACTTTGAATCAACCTGATTCTCAATTGCAATTAACTACTGGTAACGGTTTATTTTTG 371
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Qy    372 TCTGAAGGTTTAAAATTGGTTGACAAATTCCTAGAAGACGTCAAGAAACTATATCATAGT 431
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Qy    432 GAGGCTTTTACCGTTAATTTTGGTGATACTGAGGAAGCTAAAAAGCAAATTAATGATTAT 491
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Db    651 GTTTTTGCTCTGGTGAATTACATCTTCTTTAAAGGCAAATGGGAGAGACCCTTTGAAGTC 710

Qy    612 AAAGATACTGAAGAGGAAGATTTTCATGTTGATCAAGTTACTACTGTCAAAGTTCCAATG 671
Db    711 AAGGACACCGAGGAAGAGGACTTCCACGTGGACCAGGTGACCACCGTGAAGGTGCCTATG 770

Qy    672 ATGAAAAGACTGGGTATGTTCAATATTCAACATTGCAAAAAATTAAGTTCTTGGGTCTTA 731
Db    771 ATGAAGCGTTTAGGCATGTTTAACATCCAGCACTGTAAGAAGCTGTCCAGCTGGGTGCTG 830

Qy    732 TTAATGAAGTATTTAGGTAACGCTACTGCTATTTTTTTTTTTACCAGACGAAGGTAAGCTT 791
Db    831 CTGATGAAATACCTGGGCAATGCCACCGCCATCTTCTTCCTGCCTGATGAGGGGAAACTA 890

Qy    792 CAACATTTAGAGAATGAGTTGACTCATGACATTATTACTAAATTTTTAGAGAACGAGGAT 851
Db    891 CAGCACCTGGAAAATGAACTCACCCACGATATCATCACCAAGTTCCTGGAAAATGAAGAC 950

Qy    852 CGTCGTAGCGCTTCTCTGCACCTGCCAAAGTTAAGTATCACCGGTACTTACGACTTAAAA 911
Db    951 AGAAGGTCTGCCAGCTTACATTTACCCAAACTGTCCATTACTGGAACCTATGATCTGAAG 1010

Qy    912 TCTGTTTTAGGCCAGTTAGGTATTACCAAAGTTTTTTCTAACGGTGCCGATTTGAGTGGT 971
Db   1011 AGCGTCCTGGGTCAACTGGGCATCACTAAGGTCTTCAGCAATGGGGCTGACCTCTCCGGG 1070

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Qy   1092 CCACCAGAAGTTAAATTTAATAAACCATTCGTTTTTCTGATGATCGAGCAGAACACTAAA 1151
Db   1191 CCCCCCGAGGTCAAGTTCAACAAACCCTTTGTCTTCTTAATGATTGAACAAAATACCAAG 1250

Qy   1152 AGCCCATTGTTTATGGGTAAGGTTGTCAACCCAACTCAGAA 1192
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RESULT 4
US-09-765-231A-19
; Sequence 19, Application US/09765231A
; Patent No. US20020119452A1
; GENERAL INFORMATION:
;  APPLICANT: Searle/Monsanto
;  APPLICANT:  Phippard, Deborah
;  APPLICANT:  Vasanthakamur, Geetha
;  APPLICANT:  Dotson, Stanton
;  APPLICANT:  Ma, Xiao-Jun
;  TITLE OF INVENTION: Osteoarthritis tissue-derived nucleic acids, polypeptides,
;  TITLE OF INVENTION:  vectors, and cells
;  FILE REFERENCE: SO-3221 PR
;  CURRENT APPLICATION NUMBER: US/09/765,231A
;  CURRENT FILING DATE:  2001-01-18
;  NUMBER OF SEQ ID NOS: 82
; SEQ ID NO 19
;   LENGTH: 1390
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-765-231A-19

  Query Match             26.7%;  Score 407;  DB 10;  Length 1390;
  Best Local Similarity   60.1%;  Pred. No. 2.3e-93;
  Matches  711;  Conservative    0;  Mismatches  470;  Indels    2;  Gaps    2;

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Db     107 GAGGATCCCCAGGGAGATGCTGCCCAGAAGACAGATACATCCCACCATGATCAGGATCAC 166

Qy      72 CCGACTTTTAATAAAATTACTCCAAATTTAGCCGAATTTGCTTTTTCTTTGTATAGACAA 131
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Qy     132 TTAGCTCATCAAAGTAATTCTACTAACATTTTTTTTAGTCCTGTTTCTATTGCCACTGCT 191
           | || || ||    ||    || || || || ||    || ||    || || || ||
Db     227 CTGGCACACCAGTCCAACAGCACCAATATCTTCTTCTCCCCAGTGAGCATCGCTACAGCC 286

Qy     192 TTCGCCATG-TTGAGTTTAGGTACTAAAGCCGATACCCATGACGAGATTTTAGAAGGTTT 250
           || || ||| |     |  || || || || || || || || || ||  | || ||  |
Db     287 TTTGCAATGCTCTCCCTGGGGGACCAAGGCTGACACTCACGATGAAATCCTGGAGGGCCT 346

Qy     251 AAACTTTAATTTGACCGAAATCCCAGAAGCCCAAATTCACGAGGGTTTTCAAGAGTTGTT 310
           || || ||  | || || || || || || || || || || || ||  |  |
Db     347 GAATTTCAACCTCACGGAGATTCCGGAGGCTCAGATCCATGAAGGCTTCCAGGAACTCCT 406

Qy     311 GAGAACTTTGAATCAACCTGATTCTCAATTGCAATTAACTACTGGTAACGGTTTATTTTT 370
           | ||  | || || || ||    ||  | ||  | || || || || ||  | ||  |
Db     407 CCGTACCCTCAACCAGCCAGACAGCCAGCTCCAGCTGACCACCGGCAATGGCCTGTTCCT 466

Qy     371 GTCTGAAGGTTTAAAATTGGTTGACAAATTCCTAGAAGACGTCAAGAAACTATATCATAG 430
           || ||  | ||  | || || || ||  | || || || || ||  | || ||
Db     467 CAGCGAGGGCCTGAAGCTAGTGGATAAGTTTTTGGAGGATGTTAAAAAGTTGTACCACTC 526

Qy     431 TGAGGCTTTTACCGTTAATTTTGGTGATACTGAGGAAGCTAAAAAGCAAATTAATGATTA 490
           || || || || || || || || || || || || || || || || || || ||||||
Db     527 AGAAGCCTTCACTGTCAACTTCGGGGACACCGAAGAGGCCAAGAAACAGATCAACGATTA 586

Qy     491 TGTTGAGAAAGGCACCCAGGGTAAGATCGTTGACCTAGTTAAAGAATTAGATCGTGATAC 550
           || |||||| || || || || || || || || ||  | || || ||  | ||  | || ||
Db     587 CGTGGAGAAGGGTACTCAAGGGAAAATTGTGGATTTGGTCAAGGAGCTTGACAGAGACAC 646

Qy     551 CGTCTTCGCACTAGTTAACTATATTTTTTTCAAGGGTAAGTGGGAACGTCCTTTCGAGGT 610
           || || || || || || || || || || || || || || || ||||  | || || ||
Db     647 AGTTTTTGCTCTGGTGAATTACATCTTCTTTAAAGGCAAATGGGAGAGACCCTTTGAAGT 706

Qy     611 TAAAGATACTGAAGAGGAAGATTTTCATGTTGATCAAGTTACTACTGTCAAAGTTCCAAT 670
           || || || || || || || || || || || || || || || || || || || || ||
Db     707 CAAGGACACCGAGGAAGAGGACTTCCACGTGGACCAGGTGACCACCGTGAAGGTGCCTAT 766

Qy     671 GATGAAAAGACTGGGTATGTTCAATATTCAACATTGCAAAAAATTAAGTTCTTGGGTCTT 730
           |||||| |  | || ||||| || || || || || || ||  |       |||||  |
Db     767 GATGAAGCGTTTAGGCATGTTTAACATCCAGCACTGTAAGAAGCTGTCCAGCTGGGTGCT 826

Qy     731 ATTAATGAAGTA-TTTAGGTAACGCTACTGCTATTTTTTTTTTACCAGACGAAGGTAAGC 789
           | ||||| ||  |  || || || || || || || ||  | || || || || || |
Db     827 GCTGATGAAATACCTGGGGCAATGCCACCGCCATCTTCTTCCTGCCTGATGAGGGGAAAC 886

Qy     790 TTCAACATTTAGAGAATGAGTTGACTCATGACATTATTACTAAATTTTTAGAGAACGAGG 849
           | || ||  | || |||||  | || || || || || || || ||  | || || || |
Db     887 TACAGCACCTGGAAAATGAACTCACCCACGATATCATCACCAAGTTCCTGGAAAATGAAG 946

Qy     850 ATCGTCGTAGCGCTTCTCTGCACCTGCCAAAGTTAAGTATCACCGGTACTTACGACTTAA 909
           |  |  |    ||     | ||  | || ||  |    || || || || || || || | |
Db     947 ACAGAAGGTCTGCCAGCTTACATTTACCCAAACTGTCCATTACTGGAACCTATGATCTGA 1006

Qy     910 AATCTGTTTTAGGCCAGTTAGGTATTACCAAAGTTTTTTCTAACGGTGCCGATTTGAGTG 969
           |    ||  | || ||  | || || || || || ||    || || || ||  |    |
Db    1007 AGAGCGTCCTGGGTCAACTGGGCATCACTAAGGTCTTCAGCAATGGGGCTGACCTCTCCG 1066

Qy     970 GTGTTACTGAAGAAGCTCCATTAAAATTGAGTAAAGCTGTTCACAAAGCCGTCTTAACTA 1029
           | || || || || || ||  | ||  |    || || || || || || || ||  | || |
Db    1067 GGGTCACAGAGGAGGCACCCCTGAAGCTCTCCAAGGCCGTGCATAAGGCTGTGCTGACCA 1126

Qy    1030 TTGATGAAAAGGGTACCGAGGCCGCCGGCGCTATGTTCCTGGAAGCTATTCCAATGAGCA 1089
           | || || || || || || || || || || ||||  | || || || || |||   |
Db    1127 TCGACGAGAAAGGGACTGAAGCTGCTGGGGCCATGTTTTTAGAGGCCATACCCATGTCTA 1186

Qy    1090 TTCCACCAGAAGTTAAATTTAATAAACCATTCGTTTTTCTGATGATCGAGCAGAACACTA 1149
           | || || || || || || || || |||| || || ||  | |||| || || || || |
Db    1187 TCCCCCCCGAGGTCAAGTTCAACAAACCCTTTGTCTTCTTAATGATTGAACAAAATACCA 1246

Qy    1150 AAAGCCCATTGTTTATGGGTAAGGTTGTCAACCCAACTCAGAA 1192
           |    ||  | || |||| || || || || || || || ||
Db    1247 AGTCTCCCCTCTTCATGGGAAAAGTGGTGAATCCCACCCAAAA 1289


RESULT 5
US-09-964-824A-582
; Sequence 582, Application US/09964824A
; Patent No. US20020102531A1
; GENERAL INFORMATION:
;  APPLICANT: Horrigan, Stephen
;  TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Sign
;  TITLE OF INVENTION:  Sets
;  FILE REFERENCE: 689290-73
;  CURRENT APPLICATION NUMBER: US/09/964,824A
;  CURRENT FILING DATE:  2001-09-27
;  PRIOR APPLICATION NUMBER: US/60/236,033
;  PRIOR FILING DATE: 2000-09-28
;  PRIOR APPLICATION NUMBER: US/60/236,032
;  PRIOR FILING DATE: 2000-09-28
;  PRIOR APPLICATION NUMBER: US/60/236,028
;  PRIOR FILING DATE: 2000-09-28
;  NUMBER OF SEQ ID NOS: 583
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 582
;   LENGTH: 594
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-964-824A-582

  Query Match             14.6%;  Score 222.8;  DB 10;  Length 594;
  Best Local Similarity   80.7%;  Pred. No. 5.1e-47;
  Matches  260;  Conservative    0;  Mismatches   62;  Indels    0;  Gaps    0;

Qy    1197 TCCGGAAAGTCTTTCAAGGCCGGTGTTTGTCCACCAAAGAAGTCCGCTCAATGTTTGAGA 1256
           || |||||||| ||||| || || || ||||| || ||||| || || || ||  | |||
Db      94 TCTGGAAAGTCCTTCAAAGCTGGAGTCTGTCCTCCTAAGAAATCTGCCCAGTGCCTTAGA 153

Qy    1257 TACAAGAAGCCAGAATGTCAATCCGACTGGCAATGTCCAGGTAAGAAGAGATGTTGTCCA 1316
           |||||||| || || || ||    |||||||| |||||||| ||||||||||||||||||
Db     154 TACAAGAAACCTGAGTGCCAGAGTGACTGGCAGTGTCCAGGGAAGAAGAGATGTTGTCCT 213
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Qy   1317 GACACTTGTGGTATCAAGTGTCTAGACCCAGTTGACACCCCAAACCCAACTAGAAGAAAG 1376
          |||||||||| ||||| || || || || ||||||||||||||||||||| || || |||
Db    214 GACACTTGTGGCATCAAATGCCTGGATCCTGTTGACACCCCAAACCCAACAAGGAGGAAG 273

Qy   1377 CCAGGTAAGTGTCCAGTTACTTACGGTCAATGTTTGATGTTGAACCCACCAAACTTCTGT 1436
          || || ||||| ||||| ||||| || |||||||||||| | ||||| || || ||||||
Db    274 CCTGGGAAGTGCCCAGTGACTTATGGCCAATGTTTGATGCTTAACCCCCCCCAATTTCTGT 333

Qy   1437 GAAATGGACGGTCAATGTAAGAGAGACTTGAAGTGTTGTATGGGTATGTGTGGTAAGTCC 1496
          || ||||| || || || ||| | |||||||||||||| ||||| |||||||| || |||
Db    334 GAGATGGATGGCCAGTGCAAGCGTGACTTGAAGTGTTGCATGGGCATGTGTGGGAAATCC 393

Qy   1497 TGTGTTTCCCCAGTCAAGGCCT 1518
          || |||||||| || || || |
Db    394 TGCGTTTCCCCTGTGAAAGCTT 415
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RESULT 6
US-09-954-456-1989
; Sequence 1989, Application US/09954456
; Patent No. US20020115057A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc
; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-76
; CURRENT APPLICATION NUMBER: US/09/954,456
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/60/233,617
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,052
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,923
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,134
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,637
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,638
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,711
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,720
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,840
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,863
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1989
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-456-1989

Query Match 14.6%; Score 222.8; DB 10; Length 594;
Best Local Similarity 80.7%; Pred. No. 5.1e-47;
Matches 260; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

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Qy   1197 TCCGGAAAGTCTTTCAAGGCCGGTGTTTGTCCACCAAAGAAGTCCGCTCAATGTTTGAGA 1256
          || |||||||| ||||| || || || ||||| || ||||| || || || ||  | |||
Db     94 TCTGGAAAGTCCTTCAAAGCTGGAGTCTGTCCTCCTAAGAAATCTGCCCAGTGCCTTAGA 153

Qy   1257 TACAAGAAGCCAGAATGTCAATCCGACTGGCAATGTCCAGGTAAGAAGAGATGTTGTCCA 1316
          |||||||| || || || ||    |||||||| |||||||| ||||||||||||||||||
Db    154 TACAAGAAACCTGAGTGCCAGAGTGACTGGCAGTGTCCAGGGAAGAAGAGATGTTGTCCT 213

Qy   1317 GACACTTGTGGTATCAAGTGTCTAGACCCAGTTGACACCCCAAACCCAACTAGAAGAAAG 1376
          |||||||||| ||||| || || || || ||||||||||||||||||||| || || |||
Db    214 GACACTTGTGGCATCAAATGCCTGGATCCTGTTGACACCCCAAACCCAACAAGGAGGAAG 273

Qy   1377 CCAGGTAAGTGTCCAGTTACTTACGGTCAATGTTTGATGTTGAACCCACCAAACTTCTGT 1436
          || || ||||| ||||| ||||| || |||||||||||| | ||||| || || ||||||
Db    274 CCTGGGAAGTGCCCAGTGACTTATGGCCAATGTTTGATGCTTAACCCCCCCCAATTTCTGT 333

Qy   1437 GAAATGGACGGTCAATGTAAGAGAGACTTGAAGTGTTGTATGGGTATGTGTGGTAAGTCC 1496
          || ||||| || || || ||| | |||||||||||||| ||||| |||||||| || |||
Db    334 GAGATGGATGGCCAGTGCAAGCGTGACTTGAAGTGTTGCATGGGCATGTGTGGGAAATCC 393

Qy   1497 TGTGTTTCCCCAGTCAAGGCCT 1518
          || |||||||| || || || |
Db    394 TGCGTTTCCCCTGTGAAAGCTT 415
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RESULT 7
US-09-865-812-1
; Sequence 1, Application US/09865812
; Patent No. US20020115626A1
; GENERAL INFORMATION:
; APPLICANT: Rastelli, Luca
; APPLICANT: Smithson, Glennda
; TITLE OF INVENTION: Method of Detecting inflammatory Lung Disorders
; FILE REFERENCE: 21402-018 US
; CURRENT APPLICATION NUMBER: US/09/865,812
; CURRENT FILING DATE: 2001-05-28
; PRIOR APPLICATION NUMBER: 60/207,104
; PRIOR FILING DATE: 2000-05-25
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-865-812-1

Query Match 14.6%; Score 222.8; DB 10; Length 594;
Best Local Similarity 80.7%; Pred. No. 5.1e-47;
Matches 260; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

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Qy   1197 TCCGGAAAGTCTTTCAAGGCCGGTGTTTGTCCACCAAAGAAGTCCGCTCAATGTTTGAGA 1256
          || |||||||| ||||| || || || ||||| || ||||| || || || ||  | |||
Db     94 TCTGGAAAGTCCTTCAAAGCTGGAGTCTGTCCTCCTAAGAAATCTGCCCAGTGCCTTAGA 153

Qy   1257 TACAAGAAGCCAGAATGTCAATCCGACTGGCAATGTCCAGGTAAGAAGAGATGTTGTCCA 1316
          |||||||| || || || ||    |||||||| |||||||| ||||||||||||||||||
Db    154 TACAAGAAACCTGAGTGCCAGAGTGACTGGCAGTGTCCAGGGAAGAAGAGATGTTGTCCT 213

Qy   1317 GACACTTGTGGTATCAAGTGTCTAGACCCAGTTGACACCCCAAACCCAACTAGAAGAAAG 1376
          |||||||||| ||||| || || || || ||||||||||||||||||||| || || |||
Db    214 GACACTTGTGGCATCAAATGCCTGGATCCTGTTGACACCCCAAACCCAACAAGGAGGAAG 273

Qy   1377 CCAGGTAAGTGTCCAGTTACTTACGGTCAATGTTTGATGTTGAACCCACCAAACTTCTGT 1436
          || || ||||| ||||| ||||| || |||||||||||| | ||||| || || ||||||
Db    274 CCTGGGAAGTGCCCAGTGACTTATGGCCAATGTTTGATGCTTAACCCCCCCCAATTTCTGT 333

Qy   1437 GAAATGGACGGTCAATGTAAGAGAGACTTGAAGTGTTGTATGGGTATGTGTGGTAAGTCC 1496
          || ||||| || || || ||| | |||||||||||||| ||||| |||||||| || |||
Db    334 GAGATGGATGGCCAGTGCAAGCGTGACTTGAAGTGTTGCATGGGCATGTGTGGGAAATCC 393

Qy   1497 TGTGTTTCCCCAGTCAAGGCCT 1518
          || |||||||| || || || |
Db    394 TGCGTTTCCCCTGTGAAAGCTT 415
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RESULT 8
US-09-880-107-2090
; Sequence 2090, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO

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;  CURRENT APPLICATION NUMBER: US/09/880,107
;  CURRENT FILING DATE:  2001-06-14
;  PRIOR APPLICATION NUMBER: US 60/211,379
;  PRIOR FILING DATE: 2000-06-14
;  PRIOR APPLICATION NUMBER: US 60/237,054
;  PRIOR FILING DATE: 2000-10-02
;  NUMBER OF SEQ ID NOS: 3950
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2090
;   LENGTH: 1422
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: Genbank Accession No. US20020142981A1 J02943
US-09-880-107-2090

  Query Match            14.4%;  Score 219.8;  DB 10;  Length 1422;
  Best Local Similarity   50.0%;  Pred. No. 4.2e-46;
  Matches  548;  Conservative    0;  Mismatches  547;  Indels    0;  Gaps    0;

Qy    105 GAATTTGCTTTTTCTTTGTATAGACAATTAGCTCATCAAAGTAATTCTACTAACATTTTT 164
          || ||||| ||     ||||||  ||  |||         |||       | ||||||||
Db    168 GACTTTGCCTTCAGCCTGTATAAGCACCTAGTGGCCTTGAGTCCCAAAAAGAACATTTTC 227

Qy    165 TTTAGTCCTGTTTCTATTGCCACTGCTTTCGCCATGTTGAGTTTAGGTACTAAAGCCGAT 224
          |    |||||    ||  |||  || || || ||| ||    | || ||     | | |
Db    228 ATCTCCCCTGTGAGCATCTCCATGGCCTTAGCTATGCTGTCCCTGGGCACCTGTGGCCAC 287

Qy    225 ACCCATGACGAGATTTTAGAAGGTTTAAACTTTAATTTGACCGAAATCCCAGAAGCCCAA 284
          || |  | | || || |  | ||  |    || ||  | || || |   | ||  |  |
Db    288 ACACGGGCCCAGCTTCTCCAGGGCCTGGGTTTCAACCTCACTGAGAGGTCTGAGACTGAG 347

Qy    285 ATTCACGAGGGTTTTCAAGAGTTGTTGAGAACTTTGAATCAACCTGATTCTCAATTGCAA 344
          || ||| |||||||  ||  |  ||      |   ||      |  | ||  |    ||  ||
Db    348 ATCCACCAGGGTTTCCAGCACCTGCACCAACTCTTTGCAAAGTCAGACACCAGCTTAGAA 407

Qy    345 TTAACTACTGGTAACGGTTTATTTTTGTCTGAAGGTTTAAAATTGGTTGACAAATTCCTA 404
          | ||||  || || |  || ||| |   ||   |  |  | ||| | ||  ||||  |
Db    408 ATGACTATGGGCAATGCCTTGTTTCTTGATGGCAGCCTGGAGTTGCTGGAGTCATTCTCA 467

Qy    405 GAAGACGTCAAGAAACTATATCATAGTGAGGCTTTTACCGTTAATTTTGGTGATACTGAG 464
          | |||| |||||  |    ||| |    ||||  ||  |  | |||||    ||    |
Db    468 GCAGACATCAAGCACTACTATGAGTCAGAGGTCTTGGCTATGAATTTCCAGGACTGGGCA 527

Qy    465 GAAGCTAAAAAGCAAATTAATGATTATGTTGAGAAAGGCACCCAGGGTAAGATCGTTGAC 524
          |||  |   |  || ||  |    |||||  ||||    || ||||| || || || |||
Db    528 ACAGCCAGCAGACAGATCAACAGCTATGTCAAGAATAAGACACAGGGGAAAATTGTCGAC 587

Qy    525 CTAGTTAAAGAATTAGATCGTGATACCGTCTTCGCACTAGTTAACTATATTTTTTTCAAG 584
          |  ||  ||   | ||| |     || || |||  || || |||||||| || |||||
Db    588 TTGTTTTCAGGGCTGGATAGCCCAGCCATCCTCGTCCTGGTCAACTATATCTTCTTCAAA 647

Qy    585 GGTAAGTGGGAACGTCCTTTCGAGGTTAAAGATACTGAAGAGGAAGATTTTCATGTTGAT 644
          || |  |||  ||  || || ||  |   |   ||    |||||  | ||  |||| ||
Db    648 GGCACATGGACACAGCCCTTTGACCTGGCAAGCACCAGGGAGGAGAACTTCTATGTGGAC 707

Qy    645 CAAGTTACTACTGTCAAAGTTCCAATGATGAAAAGACTGGGTATGTTCAATATTCAACAT 704
          |    |||   || || || || ||||||        | | |   |||  |   |  |||
Db    708 GAGACAACTGTGGTGAAGGTGCCCATGATGTTGCAGTCGAGCACCATCAGTTACCTTCAT 767

Qy    705 TGCAAAAAATTAAGTTCTTGGGTCTTATTAATGAAGTATTTAGGTAACGCTACTGCTATT 764
          |  | |  |     |    | |  |    ||||| ||  | || || |  ||||   |
Db    768 GACTCAGAGCTCCCCTGCCAGCTGGTGCAGATGAACTACGTGGGCAATGGGACTGTCTTC 827

Qy    765 TTTTTTTTACCAGACGAAGGTAAGCTTCAACATTTAGAGAATGAGTTGACTCATGACATT 824
          ||  |  | || ||| | || ||| |  |      |      ||   |||  |  ||||
Db    828 TTCATCCTTCCGGACAAGGGGAAGATGAACACAGTCATCGCTGCACTGAGCCGGGACACG 887

Qy    825 ATTACTAAATTTTTAGAGAACGAGGATCGTCGTAGCGCTTCTCTGCACCTGCCAAAGTTA 884
          ||||  |  |  |  |     |  |     |  |     |     ||| || | ||||||  |
Db    888 ATTAACAGGTGGTCCGCAGGCCTGACCAGCAGCCAGGTGGACCTGTACATTCCAAAGGTC 947

Qy    885 AGTATCACCGGTACTTACGACTTAAAATCTGTTTTAGGCCAGTTAGGTATTACCAAAGTT 944
          |  ||| | ||    || ||| |   |  |||  | |   |  | || ||| |  | |
Db    948 ACCATCTCTGGAGTCTATGACCTTGGAGATGTGCTGGAGGAAATGGGCATTGCAGACTTG 1007

Qy    945 TTTTCTAACGGTGCCGATTTGAGTGGTGTTACTGAAGAAGCTCCATTAAAATTGAGTAAA 1004
          ||  | |||   ||  ||||     |  | ||  | || || ||   | || |     ||
Db   1008 TTCACCAACCAGGCAAATTTCTCACGCATCACCCAGGACGCCCAGCTGAAGTCATCAAAG 1067

Qy   1005 GCTGTTCACAAAGCCGTCTTAACTATTGATGAAAAGGGTACCGAGGCCGCCGGCGCTATG 1064
          |  || || ||||| ||  |      | ||||  |||||   ||  | || ||| | |
Db   1068 GTGGTCCATAAAGCTGTGCTGCAACTCAATGAGGAGGGTGTGGACACAGCTGGCTCCACT 1127

Qy   1065 TTCCTGGAAGCTATTCCAATGAGCATTCCACCAGAAGTTAAATTTAATAAACCATTCGTT 1124
               |     |  |  | |  ||  ||        |    || ||  | || ||| |
Db   1128 GGGGTCACCCTAAACCTGACGTCCAAGCCTATCATCTTGCGTTTCAACCAGCCCTTCATC 1187

Qy   1125 TTTCTGATGATCGAGCAGAACACTAAAAGCCCATTGTTTATGGGTAAGGTTGTCAACCCA 1184
           |  ||||  |||| ||   |||   |||    | ||  |||  | |||| | ||||||
Db   1188 ATCATGATCTTCGACCACTTCACCTGGAGCAGCCTTTTCCTGGCGAGGGTTATGAACCCA 1247

Qy   1185 ACTCAGAAGATGTCC 1199
               |  |||   ||
Db   1248 GTGTAAGAGACCACC 1262


RESULT 9
US-09-917-800A-1421
; Sequence 1421, Application US/09917800A
; Patent No. US20020119462A1
; GENERAL INFORMATION:
;  APPLICANT: Mendrick, Donna
;  APPLICANT:  Porter, Mark
;  APPLICANT:  Johnson, Kory
;  APPLICANT:  Castle, Arthur
;  APPLICANT:  Elashoff, Michael
;  APPLICANT:  Gene Logic, Inc.
;  TITLE OF INVENTION: Molecular Toxicology Modeling
;  FILE REFERENCE: 44921-5038-US
;  CURRENT APPLICATION NUMBER: US/09/917,800A
;  CURRENT FILING DATE:  2001-07-31
;  PRIOR APPLICATION NUMBER: US 60/222,040
;  PRIOR FILING DATE: 2000-07-31
;  PRIOR APPLICATION NUMBER: US 60/222,880
;  PRIOR FILING DATE: 2000-11-02
;  PRIOR APPLICATION NUMBER: US 60/290,029
;  PRIOR FILING DATE: 2001-05-11
;  PRIOR APPLICATION NUMBER: US 60/290,645
;  PRIOR FILING DATE: 2001-05-15
;  PRIOR APPLICATION NUMBER: US 60/292,336
;  PRIOR FILING DATE: 2001-05-22
;  PRIOR APPLICATION NUMBER: US 60/295,798
;  PRIOR FILING DATE: 2001-06-06
;  PRIOR APPLICATION NUMBER: US 60/297,457
;  PRIOR FILING DATE: 2001-06-13
;  PRIOR APPLICATION NUMBER: US 60/298,884
;  PRIOR FILING DATE: 2001-06-19
;  PRIOR APPLICATION NUMBER: US 60/303,459
;  PRIOR FILING DATE: 2001-07-09
;  NUMBER OF SEQ ID NOS: 1740
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1421
;   LENGTH: 1714
;   TYPE: DNA
;   ORGANISM: Rattus norvegicus
;   FEATURE:
;   OTHER INFORMATION: Genbank Accession No. US20020119462A1 M63991
US-09-917-800A-1421

  Query Match            14.0%;  Score 213.4;  DB 10;  Length 1714;
  Best Local Similarity   50.4%;  Pred. No. 1.9e-44;
  Matches  585;  Conservative    0;  Mismatches  561;  Indels   15;  Gaps    2;

Qy     48 ACCAGTCATCACGACCAAGACCATCCGACTTTTAATAAAATTACTCCAAATTTAGCCGAA 107
          ||| |||||     |||| |  || | ||| |  |||| ||  |  | |     || ||
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Db      69 ACCTGTCATTTGCCCCAACAAAATGCCACTCTCTATAAGATGCCATCTATCAATGCTGAT 128

Qy     108 TTTGCTTTTTCTTTGTATAGACAATTAGCTCATCAAAGTAATTCTACTAACATTTTTTTT 167
           ||||| ||     |||||  |  |  |  ||    | |       |  ||||| || ||
Db     129 TTTGCCTTCAGGCTGTATCGGAAGCTCTCTGTGGAGAACCCAGATTTGAACATCTTCTTC 188

Qy     168 AGTCCTGTTTCTATTGCCACTGCTTTCGCCATGTTGAGTTTAGGTACTAAAGCCGATACC 227
           |||||    ||  |  ||||||| |||||| |   ||| ||  ||    |    |||
Db     189 TCCCCTGTGAGCATATCTGCTGCTTTAGCCATGCTTTCTTTTGGATCTGGCTCTAGCACC 248

Qy     228 CATGACGAGATTTTAGAAGGTTTAAACTTTAATTTGACCGAAATCCCAGAAGCCCAAATT 287
           ||     ||||| | || |  ||    |||||  | || || |  || |       || |
Db     249 CAAACACAGATTCTGGAGGTCTTGGGGTTTAACCTCACAGACACTCCTGTGAAAGAATTA 308

Qy     288 CACGAGGGTTTTCAAGAGTTGTTGAGAACTTTGAATCAACCTGATTCTCAATTGCAATTA 347
           ||  |||| || ||  | ||| |  |  | ||||||   ||  ||  | || || ||||
Db     309 CAACAGGGCTTCCAGCATTTGATCTGTTCATTGAATTTCCCCAATAATGAACTGGAATTG 368

Qy     348 ACTACTGGTAACGGTTTATTTTTGTCTGAAGGTTTAAAATTGGTTGACAAATTCCTAGAA 407
           |  || || |  | ||| |     ||    | |||    | |  || ||  | ||
Db     369 CAGATGGGAAATGCAGTTTTTATTGGGCAACAGCTGAAACCACTGGCAAAGTTTTTGGAT 428

Qy     408 GACGTCAAGAAACTATATCATAGTGAGGCTTTTACCGTTAATTTTGGTGATACTGAGGAA 467
           || |||||||  || ||| | | ||| |  ||| |    | | ||    ||  |   | |
Db     429 GATGTCAAGACCCTCTATGAAACTGAAGTCTTTTCTACTGACTTCTCCAATGTTTCTGCA 488

Qy     468 GCTAAAAAGCAAATTAATGATTATGTTGAGAAAGGCACCCAGGGTAAGATCGTTGACCTA 527
           ||  |  |  | || ||  ||||||  |||||     ||| | || || || || | | ||
Db     489 GCCCAGCATGAGATCAACAGTTATGTGGAGAAGCAAACCAAAGGGAAAATTGTAGGCTTA 548

Qy     528 GTTAAAGAATTAGATCGTGATACCGTCTTCGCACTAGTTAACTATATTTTTTTCAAGGGT 587
           || ||||  |  | |   | |   || |    || || |||||||||  ||||||
Db     549 ATTCAAGACCTCAAACTGAACATTATCATGATTCTGGTGAACTATATTCATTTCAAAGCC 608

Qy     588 AAGTGGGAACGTCCTTTCGAGGTTAAAGATACTGAAGAG---GAAGATTTTCATGTTGAT 644
           |||||| |  ||||||    ||      | || ||||||        | ||    || ||
Db     609 CAGTGGGCAAATCCTTTTCGTGTATCTAAAACAGAAGAGAGTTCCAACTTCTCAGTGGAC 668

Qy     645 CAAGTTACTACTGTCAAAGTTCCAATGATGAAAAGACTGGGTATGTTCAATATTCAACAT 704
           |   || || ||  |||| || ||||||  |     || |      | | ||  | |
Db     669 AAGAGCACCACAGTACAAGTGCCCATGATGCACCAGCTAGAACAATACTATCATTACGTG 728

Qy     705 TGCAAAAAATTAAGTTCTTGGGTCTTATTAATGAAGTATTTAGGTAACGCTACTGCTATT 764
           |  | | ||  ||  |    |||| | |||   |  || ||    ||  ||
Db     729 GATGTGGAGCTGAATTGTACAGTACTTCAAATGGACTATAGTGCAAATGCCCTGGCACTT 788

Qy     765 TTTTTTTTACCAGACGAAGGTAAGCTTCAACATTTAGAGAATGAGTTGACTCATGACATT 824
           ||| |  | ||  | ||||||  |  |  ||     | ||      |   || |   | | |
Db     789 TTTGTCCTTCCGAAGGAAGGGCACATGGAATGGGTGGAAGCAGCCATGTCATCTAAAACA 848

Qy     825 ATTACTAAATTTTTAGAGAACGAGGATCGTCGTAGCGCTTCTCTGCACCTGCCAAAGTTA 884
           | |  || |       |     | |    | | | |    ||    | |||||||||
Db     849 CTGAAGAAGTGGAACCATTTATTGCAGAAAGGATGGGTTGAATTGTTTGTTCCAAAGTTT 908

Qy     885 AGTATCACCGGTACTTACGACTTAAAATCTGTTTTAGGCCAGTTAGGTATTACCAAAGTT 944
           ||  | |  || || ||| |   |  |     || | |||||  |   | |
Db     909 TCCATTTCTGCCACATATGACCTTGGAAGTACACTTCAGAAGATGGGTATGAGGGATGCC 968

Qy     945 TTTTCTAACGGTGCCGATTTGAGTGGTGTTACTGAAGAAGCTCCATTAAAATTGAGTAAA 1004
           ||| || |  |||| || ||   |||  | ||  ||||   |    |||||  |     |
Db     969 TTTGCTGAAAGTGCTGACTTTCCTGGAATCACAAAAGACAATGGTCTAAAACTTTCCTAT 1028

Qy    1005 GCTGTTCACAAAGCCGTCTTAACTATTGATGAAAAGGGTACCGAGGCCGCCGGCGCTATG 1064
           ||| |||||||  || ||   ||  |||| |||| |||| ||  | |  |  |  ||
Db    1029 GCTTTTCACAAGGCTGTGCTACACATTGGTGAAGAGGGAACTAAAGAAGGAGCTTCTCCT 1088

Qy    1065 TTCCTGGAAGCTAT------------TCCAATGAGCATTCCACCAGAAGTTAAATTTAAT 1112
           |  | || |                |       |||   | |   |   |||  ||
Db    1089 GAAGCTGGATCTCTGGATCAGCCAGAAGTAGCTCCTCTTCACGCTGTCATCCGATTGGAT 1148

Qy    1113 AAACCATTCGTTTTTCTGATGATCGAGCAGAACACTAAAAGCCCATTGTTTATGGGTAAG 1172
           | | ||||| |  |  ||||  | |||  |    || | |||     | ||| | || ||
Db    1149 AGAACATTCTTACTGATGATCTTAGAGAAACGAACAAGAAGTGTTCTCTTTTTAGGGAAA 1208

Qy    1173 GTTGTCAACCCAACTCAGAAG 1193
           |||||  |||||||  |  ||
Db    1209 GTTGTTGACCCAACAAAAGAG 1229
```

RESULT 10
US-09-880-107-2257
; Sequence 2257, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2257
; LENGTH: 1872
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 M14091
US-09-880-107-2257

Query Match 12.7%; Score 193; DB 10; Length 1872;
Best Local Similarity 49.2%; Pred. No. 2.7e-39;
Matches 576; Conservative 0; Mismatches 580; Indels 15; Gaps 2;

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Qy      49 CCAGTCATCACGACCAAGACCATCCGACTTTTAATAAAATTACTCCAAATTTAGCCGAAT 108
           || | |||      ||||    || | ||| |  | || ||  |  | | |   || || |
Db     416 CCTGCCATTCATCCCAACCAAATGCCACTCTCTACAAGATGTCATCCATTAATGCTGACT 475

Qy     109 TTGCTTTTTCTTTGTATAGACAATTAGCTCATCAAAGTAATTCTACTAACATTTTTTTTA 168
           |||| ||   | ||||  |    ||  ||    | |        ||  ||||| || |||
Db     476 TTGCATTCAATCTGTACCGGAGGTTCACTGTGGAGACCCCAGATAAGAACATCTTCTTTT 535

Qy     169 GTCCTGTTTCTATTGCCACTGCTTTCGCCATGTTGAGTTTAGGTACTAAAGCCGATACCC 228
           |||||    ||| |  | ||||| |  ||| |    || ||  |       |   ||||
Db     536 CCCCTGTGAGCATTTCTGCAGCTTTGGTTATGCTTTCCTTTGGGGCCTGCTGCAGCACCC 595

Qy     229 ATGACGAGATTTTAGAAGGTTTAAACTTTAATTTGACCGAAATCCCAGAAGCCCAAATTC 288
           |    |||||| | ||    ||    || ||  | || || |  |||    |  | || |
Db     596 AAACTGAGATTGTGGAGACCTTGGGGTTCAACCTCACAGACACTCCAATGGTAGAGATCC 655

Qy     289 ACGAGGGTTTTCAAGAGTTGTTGAGAACTTTGAATCAACCTGATTCTCAATTGCAATTAA 348
           |  | || || ||  |  || |  |  |  |||||   ||  |      || || ||||
Db     656 AGCATGGCTTCCAGCATCTGATCTGTTCACTGAATTTTCCAAAGAAGGAACTGGAATTGC 715

Qy     349 CTACTGGTAACGGTTTATTTTTGTCTGAAGGTTTAAAATTGGTTGACAAATTCCTAGAAG 408
           |  || || |   | || |      |  | | |||     | |  || ||| |  | |
Db     716 AGATAGGAAATGCCCTCTTCATTGGCAAGCATCTGAAACCACTGGCAAAGTTCTTGAATG 775

Qy     409 ACGTCAAGAAACTATATCATAGTGAGGCTTTTACCGTTAATTTTGGTGATACTGAGGAAG 468
           | |||||||  || ||| | | ||| |  ||| |      | ||      | ||  | ||
Db     776 ATGTCAAGACCCTCTATGAGACTGAAGTCTTTTCTACCGACTTCTCCAACATTTCTGCAG 835

Qy     469 CTAAAAAGCAAATTAATGATTATGTTGAGAAAGGCACCCAGGGTAAGATCGTTGACCTAG 528
           | ||  || | |||||   | |||| ||||      ||| | || ||  | || |  |||
Db     836 CCAAGCAGGAGATTAACAGTCATGTGGAGATGCAAACCAAAGGGAAAGTTGTGGGTCTAA 895

Qy     529 TTAAAGAATTAGATCGTGATACCGTCTTCGCACTAGTTAACTATATTTTTTTCAAGGGTA 588
           || |||| |  | |   | |||    | |   |||| |||||||||   || || |
Db     896 TTCAAGACCTCAAGCCAAACACCACTATGGTCTTAGTGAACTATATTCACTTTAAAGCCC 955
```

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Qy    589 AGTGGGAACGTCCTTTCGAGGTTAAAGATACTGAAGA---GGAAGATTTTCATGTTGATC 645
Db    956 AGTGGGCAAATCCTTTTGATCCATCCAAGACAGAAGACAGTTCCAGCTTCTTAATAGACA 1015

Qy    646 AAGTTACTACTGTCAAAGTTCCAATGATGAAAAGACTGGGTATGTTCAATATTCAACATT 705
Db   1016 AGACCACCACTGTTCAAGTGCCCATGATGCACCAGATGGAACAATACTATCACCTAGTGG 1075

Qy    706 GCAAAAAATTAAGTTCTTGGGTCTTATTAATGAAGTATTTAGGTAACGCTACTGCTATTT 765
Db   1076 ATATGGAATTGAACTGCACAGTTCTGCAAATGGACTACAGCAAGAATGCTCTGGCACTCT 1135

Qy    766 TTTTTTTACCAGACGAAGGTAAGCTTCAACATTTAGAGAATGAGTTGACTCATGACATTA 825
Db   1136 TTGTTCTTCCCAAGGAGGGACAGATGGAGTCAGTGGAAGCTGCCATGTCATCTAAAACAC 1195

Qy    826 TTACTAAATTTTTAGAGAACGAGGATCGTCGTAGCGCTTCTCTGCACCTGCCAAAGTTAA 885
Db   1196 TGAAGAAGTGGAACCGCTTACTACAGAAGGGATGGGTTGACTTGTTTGTTCCAAAGTTTT 1255

Qy    886 GTATCACCGGTACTTACGACTTAAAATCTGTTTTAGGCCAGTTAGGTATTACCAAAGTTT 945
Db   1256 CCATTTCTGCCACATATGACCTTGGAGCCACACTTTTGAAGATGGGCATTCAGCATGCCT 1315

Qy    946 TTTCTAACGGTGCCGATTTGAGTGGTGTTACTGAAGAAGCTCCATTAAAATTGAGTAAAG 1005
Db   1316 ATTCTGAAAATGCTGATTTTTCTGGACTCACAGAGGACAATGGTCTGAAACTTTCCAATG 1375

Qy   1006 CTGTTCACAAAGCCGTCTTAACTATTGATGAAAAGGGTACCGAGGCCGCCGGCGCTATGT 1065
Db   1376 CTGCCCATAAGGCTGTGCTGCACATTGGTGAAAAGGGAACTGAAGCTGCAGCTGTCCCTG 1435

Qy   1066 TCCTGGAA------------GCTATTCCAATGAGCATTCCACCAGAAGTTAAATTTAATA 1113
Db   1436 AAGTTGAACTTTCGGATCAGCCTGAAAACACTTTCCTACACCCTATTATCCAAATTGATA 1495

Qy   1114 AACCATTCGTTTTTCTGATGATCGAGCAGAACACTAAAAGCCCATTGTTTATGGGTAAGG 1173
Db   1496 GATCTTTCATGTTGTTGATTTTGGAGAGAAGCACAAGGAGTATTCTCTTTCTAGGGAAAG 1555

Qy   1174 TTGTCAACCCAACTCAGAAGATGTCCGGAAA 1204
Db   1556 TTGTGAACCCAACGGAAGCGTAGTTGGGAAA 1586
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RESULT 11
US-09-755-665-13
; Sequence 13, Application US/09755665
; Patent No. US20020107186A1
; GENERAL INFORMATION:
; APPLICANT: Prayaga, Sudhirdas K.
; APPLICANT: Majumder, Kumud
; APPLICANT: Taillon, Bruce E.
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: MacDougall, John
; TITLE OF INVENTION: NOVEL POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 15966-631
; CURRENT APPLICATION NUMBER: US/09/755,665
; CURRENT FILING DATE: 2001-08-14
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/174,724
; PRIOR FILING DATE: 2000-01-06
; NUMBER OF SEQ ID NOS: 118
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 1245
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1245)
US-09-755-665-13

Query Match 12.5%; Score 190.8; DB 10; Length 1245;
Best Local Similarity 49.2%; Pred. No. 8.3e-39;
Matches 535; Conservative 0; Mismatches 547; Indels 6; Gaps 1;

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Qy    105 GAATTTGCTTTTTCTTTGTATAGACAATTAGCTCATCAAAGTAATTCTACTAACATTTTT 164
Db    160 GACTTAGGCTTTAAGCTGCTCAAGAAGCTGGCCTTTTACAACCCTGGCAGGAACATCTTC 219

Qy    165 TTTAGTCCTGTTTCTATTGCCACTGCTTTCGCCATGTTGAGTTTAGGTACTAAAGCCGAT 224
Db    220 CTATCCCCCTTGAGCATCTCTACAGCTTTCTCCATGCTGTGCCTGGGTGCCCAGGACAGC 279

Qy    225 ACCCATGACGAGATTTTAGAAGGTTTAAACTTTAATTTGACCGAAATCCCAGAAGCCCAA 284
Db    280 ACCCTGGACGAGATCAAGCAGGGGTTCAACTTCAGAAAG------ATGCCAGAAAAAGAT 333

Qy    285 ATTCACGAGGGTTTTCAAGAGTTGTTGAGAACTTTGAATCAACCTGATTCTCAATTGCAA 344
Db    334 CTTCATGAGGGCTTCCATTACATCATCCACGAGCTGACCCAGAAGACCCAGGACCTCAAA 393

Qy    345 TTAACTACTGGTAACGGTTTATTTTTGTCTGAAGGTTTAAAATTGGTTGACAAATTCCTA 404
Db    394 CTGAGCATTGGGAACACGCTGTTCATTGACCAGAGGCTGCAGCCACAGCGTAAGTTTTTG 453

Qy    405 GAAGACGTCAAGAAACTATATCATAGTGAGGCTTTTACCGTTAATTTTGGTGATACTGAG 464
Db    454 GAAGATGCCAAGAACTTTTACAGTGCCGAAACCATCCTTACCAACTTTCAGAATTTGGAA 513

Qy    465 GAAGCTAAAAAGCAAATTAATGATTATGTTGAGAAAGGCACCCAGGGTAAGATCGTTGAC 524
Db    514 ATGGCTCAGAAGCAGATCAATGACTTTATCAGTCAAAAAACCCATGGGAAAATTAACAAC 573

Qy    525 CTAGTTAAAGAATTAGATCGTGATACCGTCTTCGCACTAGTTAACTATATTTTTTTCAAG 584
Db    574 CTGATCGAGAATATAGACCCCGGCACTGTGATGCTTCTTGCAAATTATATTTTCTTTCGA 633

Qy    585 GGTAAGTGGGAACGTCCTTTCGAGGTTAAAGATACTGAAGAGGAAGATTTTCATGTTGAT 644
Db    634 GCCAGGTGGAAACATGAGTTTGATCCAAATGTAACTAAAGAGGAAGATTTCTTTCTGGAG 693

Qy    645 CAAGTTACTACTGTCAAAGTTCCAATGATGAAAAGACTGGGTATGTTCAATATTCAACAT 704
Db    694 AAAAACAGTTCAGTCAAGGTGCCCATGATGTTCCGTAGTGGCATATACCAAGTTGGCTAT 753

Qy    705 TGCAAAAAATTAAGTTCTTGGGTCTTATTAATGAAGTATTTAGGTAACGCTACTGCTATT 764
Db    754 GACGATAAGCTCTCTTGCACCATCCTGGAAATACCCTACCAGAAAAATATCACAGCCATC 813

Qy    765 TTTTTTTTACCAGACGAAGGTAAGCTTCAACATTTAGAGAATGAGTTGACTCATGACATT 824
Db    814 TTCATCCTTCCTGATGAGGGCAAGCTGAAGCACTTGGAGAAGGGATTGCAGGTGGACACT 873

Qy    825 ATTACTAAATTTTTAGAGAACGAGGATCGTCGTAGCGCTTCTCTGCACCTGCCAAAGTTA 884
Db    874 TTCTCCAGATGGAAAACATTACTGTCACGCAGGGTCGTAGACGTGTCTGTACCCAGACTC 933

Qy    885 AGTATCACCGGTACTTACGACTTAAAATCTGTTTTAGGCCAGTTAGGTATTACCAAAGTT 944
Db    934 CACATGACGGGCACCTTCGACCTGAAGAAGACTCTCTCCTACATAGGTGTCTCCAAAATC 993

Qy    945 TTTTCTAACGGTGCCGATTTGAGTGGTGTTACTGAAGAAGCTCCATTAAAATTGAGTAAA 1004
Db    994 TTTGAGGAACATGGTGATCTCACCAAGATCGCCCCTCATCGCAGCCTGAAAGTGGGCGAG 1053

Qy   1005 GCTGTTCACAAAGCCGTCTTAACTATTGATGAAAAGGGTACCGAGGCCGCCGGCGCTATG 1064
Db   1054 GCTGTGCACAAGGCTGAGCTGAAGATGGATGAGAGGGGTACGGAAGGGGCCGCTGGCACC 1113

Qy   1065 TTCCTGGAAGCTATTCCAATGAGCATTCCACCAGAAGTTAAATTTAATAAACCATTCGTT 1124
Db   1114 GGAGCACAGACTCTGCCCATGGAGACACCACTCGTCGTCAAGATAGACAAACCCTATCTG 1173

Qy   1125 TTTCTGATGATCGAGCAGAACACTAAAAGCCCATTGTTTATGGGTAAGGTTGTCAACCCA 1184
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Db   1174 CTGCTGATTTACAGCGAGAAAATACCTTCCGTGCTCTTCCTGGGAAAGATTGTTAACCCT 1233

Qy   1185 ACTCAGAA 1192
Db   1234 ATTGGAAA 1241
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RESULT 12
US-09-917-800A-1325
; Sequence 1325, Application US/09917800A
; Patent No. US20020119462A1
; GENERAL INFORMATION:
; APPLICANT: Mendrick, Donna
; APPLICANT: Porter, Mark
; APPLICANT: Johnson, Kory
; APPLICANT: Castle, Arthur
; APPLICANT: Elashoff, Michael
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Molecular Toxicology Modeling
; FILE REFERENCE: 44921-5038-US
; CURRENT APPLICATION NUMBER: US/09/917,800A
; CURRENT FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: US 60/222,040
; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: US 60/222,880
; PRIOR FILING DATE: 2000-11-02
; PRIOR APPLICATION NUMBER: US 60/290,029
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/290,645
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: US 60/292,336
; PRIOR FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/295,798
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: US 60/297,457
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/298,884
; PRIOR FILING DATE: 2001-06-19
; PRIOR APPLICATION NUMBER: US 60/303,459
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 1740
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1325
; LENGTH: 2051
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020119462A1 D00753
US-09-917-800A-1325

Query Match 12.0%; Score 182.6; DB 10; Length 2051;
Best Local Similarity 50.5%; Pred. No. 1.2e-36;
Matches 499; Conservative 0; Mismatches 484; Indels 6; Gaps 2;

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Qy    103 CCGAATTTGCTTTTTCTTTGTATAGACAATTAGCTCATCAAAGTAATTCTACTAACATTT 162
Db    238 CTGACTTTGCCTTCAGCCTCTACAAGAAGCTGGCTTTGAGGAATCCAGATAAAAATGTTG 297

Qy    163 TTTTTAGTCCTGTTTCTATTGCCACTGCTTTCGCCATGTTGAGTTTAGGTACTAAAGCCG 222
Db    298 TCTTCTCCCCACTTAGCATCTCAGCCGCCTTGGCCGTCGTGTCCCTGGGAGCAAAGGGCA 357

Qy    223 ATACCCATGACGAGATTTTAGAAGGTTTAAACTTTAATTTGACCGAAATCCCAGAAGCCC 282
Db    358 ACAGCATGGAAGAGATTCTAGAAGGTCTCAAGTTCAATCTCACAGAGACCCCTGAGACAG 417

Qy    283 AAATTCACGAGGGTTTTCAAGAGTTGTTGAGAACTTTGAATCAACCTGATTCTCAATTGC 342
Db    418 AAATCCACCGGGGCTTTGGACACCTCCTCCAGAGGCTCAGCCAGCCAAGGGACGAGATAC 477

Qy    343 AATTAACTACTGGTAACGGTTTATTTTTGTCTGAAGGTTTAAAATTGGTTGACAAATTCC 402
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Db    478 AGATCAGTACAGGCAATGCCCTGTTTATTGAAAAACGCCTTCAGGTCCTGGCAGAGTTCC 537

Qy    403 TAGAAGACGTCAAGAAACTATATCATAGTGAGGCTTTTACCGTTAATTTTGGTGATACTG 462
Db    538 AGGAGAAGGCAAAGGCTCTGTACCAAGCTGAGGCCTTCACAGCTGATTTCCAGCAGTCTC 597

Qy    463 AGGAAGCTAAAAAGCAAATTAATGATTATGTTGAGAAAGGCACCCAGGGTAAGATCGTTG 522
Db    598 GTGAGGCCAAAAAGCTCATCAATGACTATGTGAGTAAACAGACCCAGGGGAAGATCCAGG 657

Qy    523 ACCTAGTTAAAGAATTAGATCGTGATACCGTCTTCGCACTAGTTAACTATATTTTTTTCA 582
Db    658 GACTGATCACAAACCTAGCTAAGAAGACATCCATGGTACTGGTGAATTACATCTACTTTA 717

Qy    583 AGGGTAAGTGGGAACGTCCTTTCGAGGTTAAAGATACTGAAGAGGAAGATTTTCATGTTG 642
Db    718 AAGGCAAATGGAAGGTGCCTTTTGACCCTCGGGACACATTCCAGTCTGAGTTCTACTCTG 777

Qy    643 ATCAAGTTACTACTGTCAAAGTTCCAATGATGAAAAGACTGGGTATGTTCAATATTCA-- 700
Db    778 GCAAAAGGAGGCCTGTGAAAGTGCCCATGATGAAGCTTGAGGACCTGACCACACCCTACG 837

Qy    701 -ACATTGCAAAAAATTAAGTTCTTGGGTCTTATTAATGAAGTATTTAGGTAACGCTACTG 759
Db    838 TCCGGGATGAGGAGCTGAACTGCACTGTTGTGGAGCTGAAGTACACAGGAAATGCCAGCG 897

Qy    760 CTATTTTTTTTTTACCAGACGAAGGTAAGCTTCAACATTTAGAGAATGAGTTGACTCATG 819
Db    898 CCCTGTTTATCCTCCCTGACCAGGGCAAGATGCAGCAGGTGGAAGCCAGCTTGCAACCAG 957

Qy    820 ACATTATTACTAAATTTTTAGA---GAACGAGGATCGTCGTAGCGCTTCTCTGCACCTGC 876
Db    958 AGACCCTGAGGAGATGGAAGGACTCTCTCAGGCCCAGCATGATAGATGAGCTCTACCTGC 1017

Qy    877 CAAAGTTAAGTATCACCGGTACTTACGACTTAAAATCTGTTTTAGGCCAGTTAGGTATTA 936
Db   1018 CCAAGTTCTCCATCTCTGCTGACTACAACCTGGAGGACGTCCTTCCAGAGCTGGGCATCA 1077

Qy    937 CCAAAGTTTTTTCTAACGGTGCCGATTTGAGTGGTGTTACTGAAGAAGCTCCATTAAAAT 996
Db   1078 AAGAAGTCTTCTCCACACAGGCTGACCTGTCTGGGATCACAGGGGATAAGGACCTGATGG 1137

Qy    997 TGAGTAAAGCTGTTCACAAAGCCGTCTTAACTATTGATGAAAAGGGTACCGAGGCCGCCG 1056
Db   1138 TCTCTCAGGTGGTCCACAAGGCTGTTCTGGATGTGGCTGAGACAGGCACAGAAGCAGCCG 1197

Qy   1057 GCGCTATGTTCCTGGAAGCTATTCCAATG 1085
Db   1198 CTGCCACAGGGGTCAAATTTGTTCCAATG 1226
```

RESULT 13
US-09-960-352-12287
; Sequence 12287, Application US/09960352
; Patent No. US20020137139A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengbing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; TITLE OF INVENTION: MUSCLE AND FAT DEPOSITION
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT APPLICATION NUMBER: US/09/960,352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 12287
; LENGTH: 391
; TYPE: DNA
; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 52-LIB34-079-Q1-E1-E8
US-09-960-352-12287

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  Query Match             10.6%;  Score 161;  DB 10;  Length 391;
  Best Local Similarity   64.2%;  Pred. No. 1.7e-31;
  Matches  242;  Conservative    0;  Mismatches  135;  Indels    0;  Gaps    0;

Qy    336 CAATTGCAATTAACTACTGGTAACGGTTTATTTTTGTCTGAAGGTTTAAAATTGGTTGAC 395
          ||  ||||| | || ||||| || ||| | ||  |   |||  ||  |||  | || ||
Db      2 CAGCTGCAACTGACCACTGGCAATGGTCTGTTCATCAATGAGAGTGCAAAGCTAGTGGAT 61

Qy    396 AAATTCCTAGAAGACGTCAAGAAACTATATCATAGTGAGGCTTTTACCGTTAATTTTGGT 455
          |  ||  | || || |||||||| || |||||    || || ||  || | || ||  |
Db     62 ACGTTTTTGGAGGATGTCAAGAACCTGTATCACTCCGAAGCCTTCTCCATCAACTTCAGG 121

Qy    456 GATACTGAGGAAGCTAAAAAGCAAATTAATGATTATGTTGAGAAAGGCACCCAGGGTAAG 515
          ||| ||||||| || || ||| | || || |||||||| ||||| || | ||| || ||
Db    122 GATGCTGAGGAGGCCAAGAAGAAGATCAACGATTATGTAGAGAAGGGAAGCCATGGAAAA 181

Qy    516 ATCGTTGACCTAGTTAAAGAATTAGATCGTGATACCGTCTTCGCACTAGTTAACTATATT 575
          || || ||  | || || |   | || |   | || || || || || || || || ||| |||
Db    182 ATTGTGGAGTTGGTAAAGGTTCTTGACCCAAACACAGTTTTTGCTCTGGTGAATTACATT 241

Qy    576 TTTTTCAAGGGTAAGTGGGAACGTCCTTTCGAGGTTAAAGATACTGAAGAGGAAGATTTT 635
          |  || || || || |||||    || |||||| | ||  | ||    ||||   || ||
Db    242 TCCTTTAAAGGAAAATGGGAGAAGCCCTTCGAGATGAAGCACACCACAGAGAGGGACTTC 301

Qy    636 CATGTTGATCAAGTTACTACTGTCAAAGTTCCAATGATGAAAAGACTGGGTATGTTCAAT 695
          ||||| ||  |    || ||||| || || || |||||||  | ||||| ||||  |
Db    302 CATGTGGACGAGCAAACCACTGTGAAGGTGCCCATGATGAACCGCCTGGGCATGTTTGAC 361

Qy    696 ATTCAACATTGCAAAAA 712
            | ||  | ||| | ||
Db    362 CTCCACTACTGCGACAA 378


RESULT 14
US-09-960-352-10531
; Sequence 10531, Application US/09960352
; Patent No. US20020137139A1
; GENERAL INFORMATION:
;  APPLICANT: Warren, Wesley C.
;  APPLICANT:  Tao, Nengbing
;  APPLICANT:  Byatt, John C.
;  APPLICANT:  Mathialagan, Nagappan
;  TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
;  TITLE OF INVENTION:  MUSCLE AND FAT DEPOSITION
;  FILE REFERENCE: 16511.006/37-21(10298)C
;  CURRENT APPLICATION NUMBER: US/09/960,352
;  CURRENT FILING DATE:  2001-09-24
;  NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 10531
;   LENGTH: 430
;   TYPE: DNA
;   ORGANISM: Bos taurus
;   FEATURE:
;   NAME/KEY: unsure
;   LOCATION: (398)
;   OTHER INFORMATION: unsure at all n locations
;   OTHER INFORMATION: Clone ID: 45-LIB34-014-Q1-E1-D2
US-09-960-352-10531

  Query Match             9.6%;  Score 146.4;  DB 10;  Length 430;
  Best Local Similarity   60.5%;  Pred. No. 8.8e-28;
  Matches  240;  Conservative    0;  Mismatches  157;  Indels    0;  Gaps    0;

Qy    180 ATTGCCACTGCTTTCGCCATGTTGAGTTTAGGTACTAAAGCCGATACCCATGACGAGATT 239
          |||||  | || || || ||| |     | ||  | || | | | || ||    |||||
Db     32 ATTGCTTCAGCCTTTGCTATGCTCTCCCTGGGAGCCAAGGGCAACACTCACACTGAGATC 91

Qy    240 TTAGAAGGTTTAAACTTTAATTTGACCGAAATCCCAGAAGCCCAAATTCACGAGGGTTTT 299
            |  | ||  |    || ||  | || ||  || |||| ||  | || ||| | || |||
Db     92 CTGAAGGGCCTGGGTTTCAACCTCACTGAGCTCGCAGAGGCTGAGATCCACAAAGGCTTT 151

Qy    300 CAAGAGTTGTTGAGAACTTTGAATCAACCTGATTCTCAATTGCAATTAACTACTGGTAAC 359
          ||  |  |  |    ||  |||| || ||  |    ||  ||||| | || |||||  ||

Db    152 CAGCATCTTCTCCACACCCTGAACCAGCCAAACCACCAGCTGCAACTGACCACTGGCAAT 211

Qy    360 GGTTTATTTTTGTCTGAAGGTTTAAAATTGGTTGACAAATTCCTAGAAGACGTCAAGAAA 419
          ||| | ||  |   ||| ||  |||  | || || |  ||  | || ||||||||
Db    212 GGTCTGTTCATCAATGAGAGTGCAAAGCTAGTGGATACGTTTTTGGAGGATGTCAAGAAC 271

Qy    420 CTATATCATAGTGAGGCTTTTACCGTTAATTTTGGTGATACTGAGGAAGCTAAAAAGCAA 479
          || |||||    || || ||  || | || ||  | ||| |||||||| || || ||| |
Db    272 CTGTATCACTCCGAAGCCTTCTCCATCAACTTCAGGGATGCTGAGGAGGCCAAGAAGAAG 331

Qy    480 ATTAATGATTATGTTGAGAAAGGCACCCAGGGTAAGATCGTTGACCTAGTTAAAGAATTA 539
          || || |||||||| ||||| || | ||| || || || || || ||   | || || |   |
Db    332 ATCAACGATTATGTAGAGAAGGGAAGCCATGGAAAAATTGTGGAGTTGGTAAAGGTTCTT 391

Qy    540 GATCGTGATACCGTCTTCGCACTAGTTAACTATATTT 576
          || |   | || || || || || || || || ||||
Db    392 GACCCANACACAGTTTTTGCTCTGGTGAATTACATTT 428


RESULT 15
US-09-960-352-14649
; Sequence 14649, Application US/09960352
; Patent No. US20020137139A1
; GENERAL INFORMATION:
;  APPLICANT: Warren, Wesley C.
;  APPLICANT:  Tao, Nengbing
;  APPLICANT:  Byatt, John C.
;  APPLICANT:  Mathialagan, Nagappan
;  TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
;  TITLE OF INVENTION:  MUSCLE AND FAT DEPOSITION
;  FILE REFERENCE: 16511.006/37-21(10298)C
;  CURRENT APPLICATION NUMBER: US/09/960,352
;  CURRENT FILING DATE:  2001-09-24
;  NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 14649
;   LENGTH: 444
;   TYPE: DNA
;   ORGANISM: Bos taurus
;   OTHER INFORMATION: Clone ID: 62-LIB34-086-Q1-E1-H6
US-09-960-352-14649

  Query Match             8.9%;  Score 135.8;  DB 10;  Length 444;
  Best Local Similarity   58.2%;  Pred. No. 4.2e-25;
  Matches  239;  Conservative    0;  Mismatches  172;  Indels    0;  Gaps    0;

Qy     82 ATAAAATTACTCCAAATTTAGCCGAATTTGCTTTTTCTTTGTATAGACAATTAGCTCATC 141
          | || ||| | || ||  | ||| | ||||| ||      | ||    || || |||||||
Db     34 ACAAGATTGCCCCCAACCTGGCCAACTTTGCCTTCAGCATATACCACCATTTGGCTCATC 93

Qy    142 AAAGTAATTCTACTAACATTTTTTTTAGTCCTGTTTCTATTGCCACTGCTTTCGCCATGT 201
          |    ||  | |  ||||| || ||    || ||    || ||  | || || || |||
Db     94 AGTCCAACACCAGCAACATCTTCTTCTCCCCCGTGAGCATCGCTTCAGCCTTTGCGATGC 153

Qy    202 TGAGTTTAGGTACTAAAGCCGATACCCATGACGAGATTTTAGAAGGTTTAAACTTTAATT 261
          |     | ||  | || | | | || ||    |||||  |  | ||  |    || ||
Db    154 TCTCCCTGGGAGCCAAGGGCAACACTCACACTGAGATCCTGAAGGGCCTGGGTTTCAACC 213

Qy    262 TGACCGAAATCCCAGAAGCCCAAATTCACGAGGGTTTTCAAGAGTTGTTGAGAACTTTGA 321
          | || ||  || |||| ||  | || |||   || |||||  |  |  |    ||  | |
Db    214 TCACTGAGCTCGCAGAGGCTGAGATCCACAGAGGCTTTCAGCATCTTCTCCACACCCTCA 273

Qy    322 ATCAACCTGATTCTCAATTGCAATTAACTACTGGTAACGGTTTATTTTTGTCTGAAGGTT 381
          | || ||  |    ||  ||||| | || |||| || ||| | ||  |   ||| ||
Db    274 ACCAGCCAAACCACCAGCTGCAACTGACCACTGGCAATGGTCTGTTCATCAATGAGAGTG 333

Qy    382 TAAAATTGGTTGACAAATTCCTAGAAGACGTCAAGAAACTATATCATAGTGAGGCTTTTA 441
            |||  | || || |  ||  | || || |||||||| || |||||    || || ||
Db    334 CAAAGCTAGTGGATACGTTTTTGGAGGATGTCAAGAACCTGTATCACTCCGAAGCCTTCT 393

Qy    442 CCGTTAATTTTGGTGATACTGAGGAAGCTAAAAAGCAAATTAATGATTATG 492
          || | || ||  | ||| ||||||| || || ||| | || || |||||||
Db    394 CCATCAACTTCAGGGATGCTGAGGAGGCCAAGAAGAAGATCAACGATTATG 444
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Search completed: December 7, 2002, 02:10:11
Job time : 60 secs